

Peter C. Meltzer, President of Organix Inc.

## APPENDIX A

### BIOGRAPHICAL SKETCH

#### EDUCATION

Institution	Degree	Year Conferred	Field of Study
Univ. of the Witwatersrand, S. Afr.	BSc (Hons.)	1972	Chemistry
Massachusetts Institute of Technology	Post-doc	1977	Organic Chemistry
Univ. of the Witwatersrand, S. Afr.	PhD	1976	Organic Chemistry

#### Research and Professional Experience

1971-1976 Lecturer and Teaching Assistant, Univ. of the Witwatersrand.

1976-1977 Research Associate, Univ. of the Witwatersrand, Johannesburg.

1977-1978 Research Associate, Massachusetts Institute of Technology.

1978-1983 Group Leader, Senior Chemist, Research Associate, SISA.

1983-1986 Vice-President of Research and Development, Director of Chemistry, SISA Inc., Cambridge, Massachusetts

1986- President and Co-founder, Organix Inc., a Massachusetts Research and Development Company.

#### Awards

1968-1971 Johannesburg City Council Scholarship.

1972 Senior Bursar of the University. of the Witwatersrand.

1972 South African. Council for Scientific and Industrial Research Scholarship.

1975 University. of the Witwatersrand Senate Research Grant.

#### Professional Activities

1977- Member, American Chemical Society.

1981-1983 Associate Editor, The Nucleus, newsletter of the Northeastern Section of the American Chemical Society (NEACS).

1983 Chairman-Elect, Medicinal Chemistry Group, NEACS.

1983 Chairman, ACS Symposium: "The Pharmaceutical Industry to the Turn of the Century", Boston College, Newton, MA.

1984 Chairman, ACS Symposium: "Chemistry and Immunology," Arthur D. Little Inc., Cambridge MA.

1984, 1985 Chairman, Medicinal Chemistry Group, NEACS.

1987/9 Member, Nominating Committee, NEACS

1990 Member, Long Range Planning Committee, NEACS

1991- Member, Society for Neuroscience.

1993- Member, College on Problems of Drug Dependence

#### Consultant

NIH, Med. Chem. Study Section (AHR)

NICHD, Study Section (AHR)

Boston Life Sciences, Inc.

#### Citations

Who's Who in Frontiers of Science and Technology, 2nd Edition.

Who's Who in the East, 24th Edition.

#### Publications

1. "Nuclear Bromination of 2',5'-Dimethylbenzoylacetanilide," P. C. Meltzer and B. Staskun, J. of the S. Afr. Chem. Inst., 3, 119, 1974.
2. "The Role of Nuclear Halogen in the Cyclization of Benzoylacetanilides to Indeno (1,2,3-de) quinolinones," B. Staskun and P. C. Meltzer, Tetrahedron, 33, 2965, 1977.
3. "The Mechanism of Indeno (1,2,3-de) quinolinone Formation," P. C. Meltzer and B. Staskun, J. Org. Chem., 42, 2977, 1977.
4. "Double Migration of Methyl and Bromine Accompany Indeno(1,2,3-de) quinolinone Formation," P. C. Meltzer and B. Staskun, Tetrahedron, 33, 2965, 1977.
5. "Intramolecular Migration Accompanying Indeno (1,2,3-de) quinolinone Formation," P.C. Meltzer and B. Staskun. Proceedings of the South African Chemical Institute, 1973.
6. "The Mechanism of Indeno (1,2,3-de) quinolinone Formation and an Unambiguous Synthesis of an Important Indenoquinolinone," P. C. Meltzer and B. Staskun, Proceedings of the South African Chemical Institute, 1975.
7. "Drugs Derived from Cannabinoids 8. The Synthesis of Side Chain Analogues of 6a,10a-Tetrahydrocannabinol," P. C. Meltzer, H. C. Dalzell and R. K. Razdan, J. Chem. Soc., 11, 2825, 1981.
8. "An Improved Synthesis of Cannabinol and Cannabiorcol," P. C. Meltzer, H.C. Dalzell and R.K. Razdan, Synthesis, 12, 985, 1981.
9. "Relative Protective Effects of 20 Homologs of 4-(2-Bromo-4,5-dimethoxyphenyl)-octahydro-2H-quinolizin-2-one (JB-1-0) Against Croton Oil Induced Inflammation in Mice," H.H. Malone, J. Quick and P. C. Meltzer, Proc. West. Pharmacol. Soc., 26, 351, 1983.
10. "Synthetic Studies on the Lythraceae Alkaloids XI. Model Studies for the Synthesis of Lythracine V," J. Quick, Y. Khandelwal, P. C. Meltzer and J.S. Weinberg, J. Org. Chem., 48, 5199, 1983.
11. "Evaluation of Four Homologs of 4-(2-Bromo-4,5-dimethoxyphenyl)- octahydro- 2H-quinolizin-2-one (JB-1-0) for their Capacity to Prevent Carrageenan induced Pedal Edema in the Rat," J.A. Byrne, M.H. Malone, J. Quick and P. C. Meltzer, Proc. West. Pharmacol. Soc., 27, 293, 1984.
12. "Ring Closure of Thiosemicarbazides-A Structure Correction," H.Sard, P. C. Meltzer, R. K. Razdan, J. Het. Chem., 22, 361, 1985.

13. "The Reaction Between an Azomethine and Malonyl Dichloride," H. Sard, P. C. Meltzer and R. K. Razdan, *J. Het. Chem.*, 22, 257, 1985.
14. "A Regioselective Route to Gossypol Analogs: The Synthesis of Gossypol and 5,5'-Didesisopropyl-5,5'-diethyl Gossypol," P. C. Meltzer, P. H. Bickford and G. Lambert, *J. Org. Chem.*, 50, 3121, 1985.
15. "Analgesic and Narcotic Antagonist Activity of Synthetic Cannabinoids," H.G. Pars, R. K. Razdan, L. S. Harris, W. L. Dewcy, E. M. Essigmann, P. C. Meltzer and A. Cowan, ASPET-ACSDMC Meeting, Boston, 1985.
16. "Ultrastructural, Fertility, and Spermicidal Studies with Isomers and Derivatives of Gossypol in Male Hamsters", A. P. Hoffer, A. Agarwal, P. C. Meltzer, P. Herlihy, R. H. Naqvi, M. C. Lindberg, and S. A. Matlin, *Biology of Reproduction*, 37, 909, 1987.
17. "Antifertility, Spermicidal and Ultrastructural Effects of Gossypol and Derivatives Administered Orally and by Intratesticular Injections", A. P. Hoffer, A. Agarwal, P.C. Meltzer, R. Naqvi, and S. A. Matlin, *Contraception*, 37, 301, 1988.
18. "Imaging Probes for Cocaine Receptors in Human and Nonhuman Primate Brain", B. Madras, M. J. Kaufman, R. D. Spealman, M. A. Fahey, P. C. Meltzer, A. Liang, A-L. Brownell, J. Schumacher, O. Isacson, G. L. Brownell, and D. R. Elmaleh, *Problems of Drug Dependence*, 1991, Proc. of the 53rd Annual Scientific Meeting, CPDD.
19. "Cocaine Congeners as Probes for Cocaine Receptors and Parkinson's Disease", B. Madras, D. R. Elmaleh, P. C. Meltzer, A. Liang, G. Brownell, and A. L. Brownell, *American Nuclear Society*, 65, 8-9, 1992.
20. "PET Imaging Probes for the Cocaine Receptors: A Validation Study in a Nonhuman Primate Model", D. R. Elmaleh, P. C. Meltzer, B. K. Madras, A. Liang, A. L. Brownell, P. Hantraye, O. Isacson, T. Shoup, A. J. Fishman, G. L. Brownell, and H. W. Strauss, Presentation at the Society for Nuclear Medicine, 39th Annual Meeting, Los Angeles, June, 1992.
21. "Synthesis and C-11 Labeling of some 3b-Phenyltropane-2-carboxylic esters (WTN) Analogs for PET", D. R. Elmaleh, P. C. Meltzer, B. Madras, A. Liang, A. L. Brownell, P. Hantraye, O. Isacson, T. Shoup, A. J. Fishman, G. L. Brownell, and H. W. Strauss, Presentation at the International Symposium Radiopharmaceutical Chemistry, Paris, France, 1992.
22. "Halogenated Cocaine Analogs: Lack of Correlation between Ligand Binding Affinity, In Vivo Potency, and In Vivo Efficacy", David R. Compton and Peter C. Meltzer, Presentation at ASPET, Orlando, Florida, 1992.
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33. "Pet imaging of cocaine binding sites on the dopamine transporter: An application for medications development", A-L. Brownell, D. E. Elmaleh, P. C. Meltzer, and B. K. Madras, CPDD, abstract 121, 1994.
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38. "Peptide Nucleic Acids: Synthesis of Thymine, Adenine, Guanine and Cytosine Nucleobases", P. C. Meltzer, A. Liang, and P. Matsudaira, J. Org. Chem, 60, 4305-4308, 1995.
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40. " SAR of difluoropine: A potent and selective ligand for the dopamine transporter", P. C. Meltzer, A. Y. Liang, and B. K. Madras, CPDD, abstract, 1995
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81. "Human DAT binding measurement with <sup>11</sup>C-altropine", A. A. Bonab, N. M. Alpert, E. Livni, P. C. Meltzer, B. K. Madras, and A. J. Fischman. *J. Nucl. Med.* 42, 184, 2001.

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87. "Non-amines: A generalization to methylphenidate and indatraline". P. C. Meltzer, P. Blundell, and B. K. Madras, *Drug and Alcohol Dependence*, 60, S118:441, 2002.

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#### Patents

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3. "Use of Spiperone Derivatives as Immunosuppressant Agents", R. Sharpe, S. J. Galli, K. A. Arndt, P. C. Meltzer, R. K. Razdan, and H. P. Sard, US Patent 5,574,041.

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